

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1358	370/238.ccls. 370/351.ccls.	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:54
L2	13165	(requir\$6 guarant\$4 provid\$4) same (quality near5 service qos)	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:54
L3	249	1 and L2	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:54
L4	1099	graph same (router\$1 network link\$1) same rout\$4	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:54
L5	88	1 and L4	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:54
L6	34	1 and l2 and l4	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:55
L7	21	(calculat\$4 determin\$4) near15 delay same router same queu\$3	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:55
L8	0	1 and L7	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:55
L9	204681	(identif\$4 determin\$4 select\$4) near15 (path\$1 link\$1)	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:55
L10	827	1 and L9	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:55
L11	194	3 and 10	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:55
S1	2521	709/241.ccls. 709/238.ccls. 709/251.ccls.	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 10:22
S2	13165	(requir\$6 guarant\$4 provid\$4) same (quality near5 service qos)	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 10:23
S3	288	S1 and S2	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 10:24
S4	3334	(determin\$4 calculat\$4) near15 bandwidth same (maximum minimum)	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 10:25

S5	61	S1 and S4	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 10:25
S6	1099	graph same (router\$1 network link\$1) same rout\$4	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 10:27
S7	204681	(identif\$4 determin\$4 select\$4) near15 (path\$1 link\$1)	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 10:28
S8	150	S2 and S6	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 10:28
S9	278	router same delay same que\$4	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 10:28
S10	21	(calculat\$4 determin\$4) near15 delay same router same queu\$3	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/08 12:53

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	4	maximum near5 bandwidth and minimum near5 bandwidth and maximum near5 delay and maximum near5 (jitter variation) and reliability and data near5 (gather\$4 collect\$4 monitor\$4)	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 13:55
S8	70	gateway\$3 near10 security near15 (block\$4 bracket\$4)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/12 16:37
S11	248	gateway\$3 near10 security near10 (prevent\$4 limit\$4 bracket\$4)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/12 16:39
S13	89	gateway\$3 near10 security near10 (section\$4 segment\$ part\$7) same network	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/12 16:39
S20	40	maximum near5 reliability and ("quality of service" qos)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/12 17:18
S25	3458	network near5 location near10 (subscriber\$1 provider\$1 client\$1)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 07:36
S26	169	maximum near15 usage near15 (bandwidth)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 09:13
S27	415	(traffic connection) near10 (one-way "one way") same (two-way "two-way")	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 07:43
S32	1983	type near15 (collect\$4) near15 data and (time period) near15 data near15 collect\$4	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 07:51
S34	1	S26 and S27	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 07:51
S35	27	"6400681"	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 09:26
S37	2	"6584075"	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 09:37
S41	20	(chang\$4 adjust\$4) near15 weight same (utilization usage) and bandwidth	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 09:58
S45	127	(chang\$4 adjust\$4) near10 weight same (bandwidth)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 10:12

S47	50	S45 and (rout\$4 communication network).ab.	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 10:35
S49	1	"20010029543" and weight	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 10:40
S50	758	weight\$3 near10 (adjust\$4 chang\$4) same (usage utilization)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 10:40
S52	1	weight\$3 near10 (adjust\$4 chang\$4) same (usage utilization) and weight near10 (preferred congest\$4) same (link path network)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 10:42
S53	86	weight\$3 near10 (adjust\$4 chang\$4) same (usage utilization) and weight same (link path network)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 10:46
S54	31	S53 and (network communication rout\$3).ab.	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 13:59
S56	5	"5933425" and weight\$3 same (traffic congest\$4)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 13:59
S57	17298	(rout\$4 network communication\$3).ab. and (traffic data) near10 (monitor\$4 collect\$4) and type near10 data	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:14
S58	9934	(rout\$4 network communication\$3).ab. and data near10 collect\$4 and type near10 data	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:35
S59	9898	(qos "quality of service")	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:15
S60	751	S58 and S59	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:16
S62	13150	connection near5 (type\$3 request\$4) same (service description characteristic\$1)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:18
S63	162	S60 and S62	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:18
S64	3857	size near10 data same collect\$3	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:21

S65	3	S64 and S63	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:22
S66	371	S64 and S58	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:28
S67	15	S66 and S59	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:22
S68	54484	network near15 (monitor\$4 analy\$4)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:29
S69	135	S68 and S66	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:29
S70	247	(rout\$4 network communication\$3).ab. and data near10 collect\$4 and type near10 data near15 collect\$4 and data near5 size	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:48
S71	158	S70 and ((qos "quality of service") (traffic network) same (monitor\$4 analy\$4))	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:36
S72	345	(rout\$4 network communication\$3).ab. and data near10 collect\$4 and type near10 data near15 collect\$4 and data near5 (amount size) and ((qos "quality of service") (traffic network) same (monitor\$4 analy\$4))	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:49
S73	187	S72 not S71	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/13 14:49
S75	5475	(qos "quality of service" (traffic network) near5 monitor\$4).ab.	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/17 10:39
S76	85	S75 and collect\$4 near10 (packet\$3 data) near10 type	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/17 10:39
S77	6	S76 and (rate size amount) near5 data near10 collect\$4	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/17 10:41
S78	144	(communication network\$3).ab. and collect\$4 near10 (packet\$3 data) near10 type and (rate size amount) near5 data near10 collect\$4	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/17 10:45

S81	14972	(two-way bi-directional) same connection	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 17:40
S82	7116	collect\$4 near10 data same type and (period\$6 size) near15 data	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 17:36
S89	7407	collect\$4 near10 (packet\$3 data) same type and (period\$6 size) near15 (packet\$1 data)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 17:37
S90	278	S89 and S81	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 17:37
S91	162	S90 and (monitor\$4 measur\$4 analy\$6) near15 (network\$1 link\$1 path\$1)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 17:38
S92	14	S91 and "709"	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 17:38
S93	750	(one-way) same (two-way bi-directional) same connection	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 18:14
S94	35	S93 and maximum near5 bandwidth	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 17:41
S96	80	maximum near5 (bandwidth usage) and collect\$4 near10 (data packet\$1) and collect\$4 near10 (data packet\$1) near10 type and (size period\$6) near10 (data packet\$1)	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 17:55
S100	22	parameter\$1 same (one-way) same (two-way bi-directional) same connection	US-PGPUB; USPAT; EPO	OR	OFF	2005/05/31 18:14
S101	181	reserv\$5 same percent\$5 same bandwidth	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 13:56
S102	4	reserv\$5 same percent\$5 same bandwidth same direction	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 15:35
S104	483	(determin\$4 calculat\$4) near10 minimum near5 bandwidth	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 15:40
S105	185702	bit\$1 same second\$1	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 15:41
S106	138	S104 and S105	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 15:53

S10 7	107	S106 and (queu\$4 delay\$4)	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 16:00
S10 8	2376	router same delay\$4	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 16:00
S11 0	143	(control\$4 monitor\$4 manag\$4) near15 router\$1 near15 delay\$4	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 16:04
S11 1	134	queu\$4 near15 router\$1 near15 delay\$4	US-PGPUB; USPAT; EPO	OR	OFF	2005/06/02 16:04

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 ... routing problems: **Routing** Problems to MAXIMUM QUADRATIC ASSIGNMENT ...  
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### A.4. Bandwidth Usage

Immediately below the **graph** is the data which provides the **maximum**, average and current usage for the ... An average and **minimum** are recorded on the **graph**. ...  
[education.qld.gov.au/schools/mis/adminmanual/bandwidthusage.html](http://education.qld.gov.au/schools/mis/adminmanual/bandwidthusage.html) - 16k - [Cached](#) - [Similar pages](#)

### Chapter 7: Network Bandwidth Considerations

The following **graph** shows **bandwidth** spikes, which occurred for the following reasons  
 ... **Minimum** and **maximum bandwidth**: 0-79 Kbps; Average **bandwidth**: 7 Kbps ...  
[www.microsoft.com/windows/NetMeeting/Corp/reskit/Chapter7/default.asp](http://www.microsoft.com/windows/NetMeeting/Corp/reskit/Chapter7/default.asp) - 113k - [Cached](#) - [Similar pages](#)

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 ... performance by **routing** using the **minimum** interference crite- ...  
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### Path Selection

bw: the **maximum** available **bandwidth** on the path (with h hops). ... S is updated using a path through **router** V, only if the **minimum** of the **bandwidth** of the h ...  
[www.opalsoft.net/qos/Q-OSPF-50.htm](http://www.opalsoft.net/qos/Q-OSPF-50.htm) - 17k - [Cached](#) - [Similar pages](#)

### Monitor Traffic

For details on creating a report in this screen, see Create a **Graph** ...  
 The **minimum** and **maximum** amount of **bandwidth** allocated for a class subtree. ...  
[support.packeteer.com/documentation/ packetguide/current/nav/tasks/monitor/monitor-traffic.htm](http://support.packeteer.com/documentation/ packetguide/current/nav/tasks/monitor/monitor-traffic.htm) - 21k - [Cached](#) - [Similar pages](#)

### Network Bandwidth Monitor Tool, Network Traffic Monitoring ...

The Percentage Utilization **graphs** display the Received Utilization and the ...  
 The **maximum**, **minimum**, and average values, are also displayed for each of the ...  
[manageengine.adventnet.com/products/oputils/help/network/bandwidth\\_monitor\\_tool.html](http://manageengine.adventnet.com/products/oputils/help/network/bandwidth_monitor_tool.html) - 14k - [Cached](#) - [Similar pages](#)

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... and transmitted **bandwidth** utilization of the Interface in **graph**. The **maximum**,  
**minimum** and the average received and transmitted **bandwidth** utilization in ...

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... this: Fixed strategy: One simple strategy is to **reserve** a fixed percentage of  
 ... Techniques for computing the effective **bandwidth** for different **traffic** ...  
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Low Latency Queueing with Priority Percentage Support [Cisco IOS ...]

If the incoming high priority **traffic** exceeds the **bandwidth percentage** calculated  
 ... ip rtp **reserve**. Reserves a special queue for a set of RTP packet flows ...  
[www.cisco.com/en/US/products/sw/iosswrel/ps1839/products\\_feature\\_guide09186a0080087af0.html](http://www.cisco.com/en/US/products/sw/iosswrel/ps1839/products_feature_guide09186a0080087af0.html) - 132k -  
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Cisco - Network Flow Management

Applications must trade off the amount of available **buffer** against the network's  
 ... These may crowd out other **traffic** by reducing its available **bandwidth**, ...  
[www.cisco.com/warp/public/614/18.html](http://www.cisco.com/warp/public/614/18.html) - 26k - Cached - Similar pages

Queue Profiles

... so that high **bandwidth** consumers cannot starve out moderate **traffic** ...  
 It is unnecessary and wasteful to **reserve buffer** space for all queues when many ...  
[www.juniper.net/techpubs/software/erx/junose61/swconfig-policy-qos/html/qos-config7.html](http://www.juniper.net/techpubs/software/erx/junose61/swconfig-policy-qos/html/qos-config7.html) - 18k -  
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Active Projects

In a non-hostile environment, all nodes should cooperate in **bandwidth** ... **buffer**,  
 the induced delay, the speed of transmission, and the **percentage** of data ...  
[www.comm.toronto.edu/~valaee/wirlab/activeprojects.htm](http://www.comm.toronto.edu/~valaee/wirlab/activeprojects.htm) - 24k - Cached - Similar pages

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 due to **buffer** overflow? • **Bandwidth Allocation for Real-Time Traffic** What ...  
 the session layer protocols may **reserve** a certain **percentage** of workstation ...  
[www.utdallas.edu/~mmohsin/projects/QoS.pdf](http://www.utdallas.edu/~mmohsin/projects/QoS.pdf) - Similar pages

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 over this "filler" **traffic**, allowing the network to use this **bandwidth** as if ...  
 For example, if the filler **buffer** is very small, then the majority of the ...  
[vorlon.cwu.edu/~vxl11/papers/dimacs\\_filler.pdf](http://vorlon.cwu.edu/~vxl11/papers/dimacs_filler.pdf) - Similar pages

IBM Networking | NCP and 3745/46 Today | Summer 2001

IntServ is appropriate for **traffic** types that require **bandwidth** and **delay** ...  
 For applications that need to explicitly **reserve bandwidth** through RSVP using ...  
[www.networking.ibm.com/nhd/wèbnav.nsf/pages/375:summer2001:article17.html](http://www.networking.ibm.com/nhd/wèbnav.nsf/pages/375:summer2001:article17.html) - 51k - Cached - Similar pages

[PDF] A novel capacity maximization scheme for multimedia wireless ATM ...

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 partial **traffic** delivery and WATM cell drops in. a **buffer**. ... **percentage** of the  
 total **bandwidth** is increased, in Fig. 8. and Fig. ...  
[ieeexplore.ieee.org/iel5/6849/18409/00851572.pdf?arnumber=851572](http://ieeexplore.ieee.org/iel5/6849/18409/00851572.pdf?arnumber=851572) - Similar pages

Wi-Fi QoS is finally appearing

... access point to **reserve some bandwidth** to deal with handoffs of ongoing calls.

This **bandwidth buffer** would be adjustable and set by network executives ...

[www.techworld.com/features/index.cfm?featureID=1369&printerfriendly=1](http://www.techworld.com/features/index.cfm?featureID=1369&printerfriendly=1) - 13k - [Cached](#) - [Similar pages](#)

